



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.:

Activity No.: PER20070001

Agency Interest No.: 32645

Mr. Joseph A. D'Amico
Chief Operating Officer
Swift Energy Operating, LLC
16825 Northchase Dr, Suite 400
Houston, TX 77060

RE: Permit, 6700 Commingling Production Facility, Swift Energy Operating, LLC
Port Sulphur, Plaquemines Parish, Louisiana.

Dear Mr. D'Amico:

This is to inform you that the permit request for the above referenced facility has been approved under LAC 33:III.501. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets, and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Also enclosed is a document entitled "General Information." Please be advised that this document contains a summary of facility-level information contained in LDEQ's TEMPO database and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

The permit number cited below and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2007

Permit No.: 2240-00182-03

Sincerely,

Chuck Carr Brown, Ph.D.
Assistant Secretary

CCB: TVN

ENVIRONMENTAL SERVICES

: PO BOX 4313, BATON ROUGE, LA 70821-4313

P:225-219-3181 F:225-219-3309

WWW.DEQ.LOUISIANA.GOV

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**6700 Commingling Production Facility
Agency Interest No.: 32645
Swift Energy Operating LLC
Port Sulphur, Plaquemines Parish, Louisiana**

I. BACKGROUND

Swift Energy Operating LLC, 6700 Commingling Production Facility, an existing oil and gas production facility currently operates under Permit No. 2240-00182-02, issued 9/19/2006.

II. ORIGIN

A permit application and Emission Inventory Questionnaire (EIQ) dated July 25, 2007 were received requesting a permit modification.

III. DESCRIPTION

The 6700 Commingling Production Facility contains equipment used for the production, separation, and drying of natural gas and storage of condensate/crude oil and produced water. The production from various wells in the Lake Washington Field flows to a low pressure bulk separator. Gas from the low pressure bulk separator is sent to the compressor engines (Sources Compressor 1, Compressor 2, and Compressor 3). The liquids (condensate/crude oil and produced water) then flow to the dual burner bulk heater (Source Heater-6). The separated condensate/crude oil is piped to the oil storage tanks (Sources Tank 3, Tank 4, and Tank 5). Produced water is piped to the produced water storage tanks (Sources Water Tank 1 and Water Tank 2) prior to being pumped to the disposal wells. Flash losses due to the pressure drops between the low pressure separator, heater treater, and storage tanks are routed to the combustion flare (Source Flare).

Two glycol (TEG) dehydration units are used to dry the gas. Dry gas is sent the sales pipeline and facility fuel gas system. Emissions from the glycol still column vents (Sources Glycol Vent 1 and Glycol Vent 2) are calculated using a gas analysis, proposed facility operating data, and the GRI-GLY Calc v.4.0 program.

Hydrocarbons from the glycol flash tank and non-condensable gases existing the condensers are controlled by combustion using the glycol reboiler burners (Sources Reboiler and Reboiler 2). It is estimated that 98% destruction efficiency is achieved for the hydrocarbons entering the reboilers. Emissions from the glycol reboilers are calculated using AP-42 factors for Natural Gas Combustion.

Condensate/crude oil is stored in one of the three 1500 barrel oil storage tanks (Sources Tank 3, Tank 4, and Tank 5). The stored condensate/crude oil is then sent to the State Lease 212 CF3. Facility via electric oil pipeline pump motors. Emissions from the oil storage tanks are routed to the combustion flare (Source Flare). This facility handles condensate/crude oil prior to lease custody transfer.

Produced water is stored in one of the two 1500 barrel produced water storage tanks (Sources Water Tank 1 and Water Tank 2) prior to being pumped to the disposal wells using natural gas

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

6700 Commingling Production Facility
Agency Interest No.: 32645
Swift Energy Operating LLC
Port Sulphur, Plaquemines Parish, Louisiana

Pump Engines (Sources Pump Engine 1 and Pump Engine 2). Emissions from the produced water tanks are routed to the combustion flare (Source Flare).

Swift Energy Operating, LLC requests the modification which reflects the following changes:

- 1) Add a Natural Gas Compressor Engine – Caterpillar G3606 TALE (Source Compressor 3)
- 2) Add a Glycol Dehydration Unit (Sources Glycol Vent 2 and Reboiler 2).
- 3) Update source identification for the Glycol Still Vent (Source Glycol Vent 1).
- 4) Add Gas Operated Level Controllers (Sources LC-06 and LC-07).
- 5) Add three Natural Gas Operated Pumps (Sources Pump 16, Pump17, and Pump 18).
- 6) Update the Glycol Still Vent emissions (Source Glycol Vent).
- 7) Update the Gas Operated Level Controller emissions (Source LC-05).
- 8) Update the Gas Operated Pump emissions (Sources Pump 7, Pump 8, Pump 9, Pump10, Pump11, Pump12, Pump13, Pump14, and Pump 15).
- 9) Correct the heat rating of the Dual Burner Bulk Heater Treater (Source Heater-6) from 1.25 to 1.5 MMBTU/hr. (each burner)
- 10) Correct the heat rating of the Dual Burner Bulk Heater Treater (Source Heater 1 and Heater 4) from 0.5 to 1 MMBTU/hr.
- 11) Correct the heat rating of the Bulk Heater Treater (Sources Heater 2 and Heater 3) from 1 to 0.5 MMBTU/hr.
- 12) Increase the operating hours of the Natural Gas Compressor Engines – Caterpillar G3606 TALE (Sources Compressor 1 and Compressor 2).
- 13) Reconcile the Fugitive Emissions (Source Fugs) due to the changes made to the facility

Estimated emissions from this facility in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	1.19	2.07	+ 0.88
SO ₂	0.24	0.31	+ 0.07
NO _x	23.69	47.43	+23.74
CO	42.38	50.50	+ 8.12
VOC ¹	91.56	98.23	+ 6.67

¹VOC speciation in tons per year:

LAC 33:III. Chapter 51 Toxic Air Pollutants TAP's	Emissions in Tons per year
2,2,4-Trimethylpentane	0.22
Acetaldehyde	0.44
Benzene	0.53
Ethyl Benzene	0.05
Formaldehyde	3.24
n-Hexane	2.15
Toluene	0.39
Xylene	0.13

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**6700 Commingling Production Facility
Agency Interest No.: 32645
Swift Energy Operating LLC
Port Sulphur, Plaquemines Parish, Louisiana**

IV. TYPE OF REVIEW

This permit was reviewed for compliance with Louisiana Air Quality Regulations and National Emission Standards for Hazardous Air Pollutants (NESHAP). New Source Performance Standards (NSPS) and Prevention of Significant Deterioration (PSD) do not apply.

This facility is a minor source of LAC 33:III.Chapter 51 Toxic Air Pollutants (TAPs).

V. PUBLIC NOTICE

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, and in the XXX, on XXX, 2007, and was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on XXX, 2007. The permit application, the proposed permit, and the Statement of Basis were submitted to the East Baton Rouge Parish Library – XXX Branch. All comments will be considered prior to a permit decision

VI. EFFECTS ON AMBIENT AIR

NONE

VII. GENERAL CONDITION XVII ACTIVITIES

Work Activity	Pollutant	Tons per year
Sampling Procedures	VOC	< 0.01
Combustion Engine Shutdown and Maintenance	VOC	0.07
Pump Preparation	VOC	< 0.01
Line Preparation	VOC	0.05
Vessel Preparation	VOC	0.06
Filter Replacement	VOC	< 0.01
Instrumentation Mechanical Work	VOC	0.01
Tank Cleaning for Inspection/Service	VOC	0.06
Shop Work on Unit Equipment	VOC	0.01

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**6700 Commingling Production Facility
Agency Interest No.: 32645
Swift Energy Operating LLC
Port Sulphur, Plaquemines Parish, Louisiana**

VIII. INSIGNIFICANT ACTIVITIES

ID No.:	Description	Citation
Heater 1	Test Heater Treater, 1.0 MM Btu/hr	LAC 33:III.501.B5.A.1
Heater 2	Bulk Heater Treater, 0.5 MM Btu/hr	LAC 33:III.501.B5.A.5
Heater 3	Bulk Heater Treater, 0.5 MM Btu/hr	LAC 33:III.501.B5.A.5
Heater 4	Test Heater Treater, 1.0 MM Btu/hr	LAC 33:III.501.B5.A1
Heater 6	Dual Burner Bulk Heater Treater, 1.5 MM Btu/hr for each	LAC 33:III.501.B5.A1

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated July 25, 2007.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
 - A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 - 1. Report by June 30 to cover January through March
 - 2. Report by September 30 to cover April through June
 - 3. Report by December 31 to cover July through September
 - 4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information**AI ID: 32645 6700 Commingling Production Facility**

Activity Number: PER2007001

Permit Number: 2240-00182-03

Air - Minor (Synthetic) Modification

Also Known As:	ID	Name	User Group	Start Date
	2240-00182	Swift Energy Operating LLC 6700 Commingling Production Facility	Air Permitting CDS Number	12-28-2005 06-15-1999
	LAG330242	LPDES #	LPDES Permit #	01-29-2003
	LAG33A466	LPDES #	LPDES Permit #	04-04-2006
Physical Location:		6 Mi SW of Port Sulphur, LA	Main FAX: Main Phone:	2818742894 2818742700
Mailing Address:		16825 Northchase Dr Ste 400 Houston, TX 77060	Phone (Type)	
Location of Front Gate:		29° 22' 37" latitude, 89° 47' 7" longitude, Coordinate Method: Interpolation - Map, Coordinate Datum: NAD83	Relationship	
Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Joseph D'Amico	16825 Northchase Dr Ste 400 Houston, TX 77060	2818742570 (WP)	Responsible Official for
	Joseph D'Amico	16825 Northchase Dr Ste 400 Houston, TX 77060	2818742570 (WP)	Responsible Official for
	Robert Redweik	16825 Northchase Dr Ste 400 Houston, TX 77060	BOB.REDWEIK@SV	Water Permit Contact For
	Robert Redweik	16825 Northchase Dr Ste 400 Houston, TX 77060	2818742570 (WP)	Water Permit Contact For
	Robert Redweik	16825 Northchase Dr Ste 400 Houston, TX 77060	BOB.REDWEIK@SV	Air Permit Contact For
	Robert Redweik	16825 Northchase Dr Ste 400 Houston, TX 77060	2818742570 (WP)	Air Permit Contact For
	Robert Redweik	16825 Northchase Dr Ste 400 Houston, TX 77060	BOB.REDWEIK@SV	Water Billing Party for
	Robert Redweik	16825 Northchase Dr Ste 400 Houston, TX 77060	2818742570 (WP)	Water Billing Party for
	Robert Redweik	16825 Northchase Dr Ste 400 Houston, TX 77060	BOB.REDWEIK@SV	Water Billing Party for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Swift Energy Operating LLC	16825 Northchase Dr Ste 400 Houston, TX 77060	2818742570 (WP)	Owns
	Swift Energy Operating LLC	16825 Northchase Dr Ste 400 Houston, TX 77060	2818742570 (WP)	Operates
	Swift Energy Operating LLC	16825 Northchase Dr Ste 400 Houston, TX 77060	2818742570 (WP)	Air Billing Party for
	Swift Energy Operating LLC	16825 Northchase Dr Ste 400 Houston, TX 77060	2818742570 (WP)	Water Billing Party for

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferraro, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 32645 - 6700 Commingling Production Facility
Activity Number: PER2007001
Permit Number: 2240-00182-03
Air - Minor (Synthetic) Modification

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
6700 Commingling Production Facility						
EQT0001	Compressor 1 - NG Compressor Engine #1		1500 horsepower	1500 horsepower		8760 hr/yr (All Year)
EQT0002	Compressor 2 - NG Compressor Engine #2		1500 horsepower	1500 horsepower		8760 hr/yr (All Year)
EQT0003	Flare - Combustion Flare	12000 bbl/day		12000 bbl/day		8760 hr/yr (All Year)
EQT0004	Generator 2 - NG Generator Engine	145 horsepower		145 horsepower		8760 hr/yr (All Year)
EQT0005	Generator 3 - Diesel Generator Engine	155 horsepower		155 horsepower		910 hr/yr (All Year)
EQT0006	Glycol Vent 1 - Glycol Still Column Vent/Condenser	5840 MM scf/yr		5840 MM scf/yr		8760 hr/yr (All Year)
EQT0012	LC-05 - Gas-operated Level Controllers (34-Norris seal)	.2 scf/hr		.2 scf/hr		8760 hr/yr (All Year)
EQT0013	Pump 7 - Chemical Injection Pump	8.33 scf/hr		8.33 scf/hr		8760 hr/yr (All Year)
EQT0014	Pump 8 - Chemical Injection Pump	8.33 scf/hr		8.33 scf/hr		8760 hr/yr (All Year)
EQT0015	Pump 9 - Chemical Injection Pump	8.33 scf/hr		8.33 scf/hr		8760 hr/yr (All Year)
EQT0016	Pump 10 - Oil Skimming Pump - Wilden M8	1200 scf/hr		1200 scf/hr		364 hr/yr (All Year)
EQT0017	Pump 11 - Sump Pump #1 - Wilden M4	600 scf/hr		600 scf/hr		728 hr/yr (All Year)
EQT0018	Pump 12 - Sump Pump #2 - Wilden M4	600 scf/hr		600 scf/hr		728 hr/yr (All Year)
EQT0019	Pump 13 - Sump Pump #3 - Wilden M4	600 scf/hr		600 scf/hr		728 hr/yr (All Year)
EQT0020	Pump 14 - Sump Pump #4 - Wilden M4	600 scf/hr		600 scf/hr		728 hr/yr (All Year)
EQT0021	Pump 15 - Flare Scrubber Pump - Wilden M8	1200 scf/hr		1200 scf/hr		96 hr/yr (All Year)
EQT0022	Pump Engine 1 - NG Saltwater Pump Engine	60 horsepower		60 horsepower		8760 hr/yr (All Year)
EQT0023	Pump Engine 2 - NG Saltwater Pump Engine	60 horsepower		60 horsepower		8760 hr/yr (All Year)
EQT0025	Tank 1 - Oil Storage Test Tank#1 - Controlled	400 bbl				8760 hr/yr (All Year)
EQT0026	Tank 2 - Oil Storage Test Tank #2 - Controlled	400 bbl				8760 hr/yr (All Year)
EQT0027	Tank 3 - Oil Storage Tank #1 - Controlled	1500 bbl				8760 hr/yr (All Year)
EQT0028	Tank 4 - Oil Storage Tank #2 - Controlled	1500 bbl				8760 hr/yr (All Year)
EQT0029	Tank 5 - Oil Storage Tank #3 - Controlled	1500 bbl				8760 hr/yr (All Year)
EQT0030	Water Tank 1 - Water Storage Tank #1 - Controlled	1500 bbl				8760 hr/yr (All Year)
EQT0031	Water Tank 2 - Water Storage Tank #2 - Controlled	1500 bbl				8760 hr/yr (All Year)
EQT0032	Compressor3 - NG Compressor Engine #3	1600 horsepower		1600 horsepower		8760 hr/yr (All Year)
EQT0033	Glycol Vent 2 - Glycol Still Column Vent/Condenser	2920 MM scf/yr		2920 MM scf/yr		8760 hr/yr (All Year)
EQT0035	LC-06 - Gas Operated Level Controllers (10-Fisher)	7 scf/hr		7 scf/hr		8760 hr/yr (All Year)
EQT0036	LC-07 - Gas-operated Level Controllers (39 - Truelco)	7 scf/hr		7 scf/hr		728 hr/yr (All Year)
EQT0037	Pump 16 - Sump Pump #5 - Wilden M4	600 scf/hr		600 scf/hr		312 hr/yr (All Year)
EQT0038	Pump 17 - Wash Water Pump - Wilden M4	600 scf/hr		600 scf/hr		8760 hr/yr (All Year)
EQT0039	Pump 18 - Chemical Injection Pump	8.33 scf/hr		8.33 scf/hr		8760 hr/yr (All Year)
EQT0040	Reboiler - Glycol Reboiler	.5 MM BTU/hr		.5 MM BTU/hr		8760 hr/yr (All Year)
EQT0041	Reboiler2 - Glycol reboiler	.2 MM BTU/hr		.2 MM BTU/hr		8760 hr/yr (All Year)
FUG0001	Fugs - Facility Fugs					8760 hr/yr (All Year)
Stack Information:						
ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet) Temperature (oF)
6700 Commingling Production Facility						

INVENTORIES

AI ID: 32645 - 6700 Commng Production Facility

Activity Number: PER20070001

Permit Number: 2240-00182-03

Air - Minor (Synthetic) Modification

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
6700 Commng Production Facility							
EQT0001	Compressor 1 - NG Compressor Engine #1	402.4	4740	.33		10	750
EQT0002	Compressor 2 - NG Compressor Engine #2	402.4	4740	.33		10	750
EQT0003	Flare - Combustion Flare			.33		20	1600
EQT0004	Generator 2 - NG Generator Engine	68	.05	.33		10	750
EQT0005	Generator 3 - Diesel Generator Engine			1		10	900
EQT0012	LC-05 - Gas-operated Level Controllers (34-Norris seal)					75	
EQT0013	Pump 7 - Chemical Injection Pump	6.93	.14	.02		.25	70
EQT0014	Pump 8 - Chemical Injection Pump	6.93	.14	.02		.25	70
EQT0015	Pump 9 - Chemical Injection Pump	6.93	.14	.25		.25	70
EQT0016	Pump 10 - Oil Skimming Pump - Wilden M8	62.29	20.39	.08		.25	70
EQT0017	Pump 11 - Sump Pump #1 - Wilden M4	31.15	10.19	.08		.25	70
EQT0018	Pump 12 - Sump Pump #2 - Wilden M4	31.15	10.19	.08		.25	70
EQT0019	Pump 13 - Sump Pump #3 - Wilden M4	1.15	10.19	.08		.25	70
EQT0020	Pump 14 - Sump Pump #4 - Wilden M4	31.15	10.19	.08		.25	70
EQT0021	Pump 15 - Flare Scrubber Pump - Wilden M8	62.29	20.39	.08		.25	70
EQT0022	Pump Engine 1 - NG Saltwater Pump Engine	82.7	.06	.25		6	650
EQT0023	Pump Engine 2 - NG Saltwater Pump Engine	82.7	.06	.25		6	650
EQT0025	Tank 1 - Oil Storage Test Tank#1 - Controlled			.17		22	75
EQT0026	Tank 2 - Oil Storage Test Tank #2 - Controlled			.17		22	75
EQT0027	Tank 3 - Oil Storage Tank #1 - Controlled			.33		30	75
EQT0028	Tank 4 - Oil Storage Tank #2 - Controlled			.33		30	75
EQT0029	Tank 5 - Oil Storage Tank #3 - Controlled			.33		30	75
EQT0030	Water Tank 1 - Water Storage Tank #1 - Controlled			.33		30	75
EQT0031	Water Tank 2 - Water Storage Tank #2 - Controlled			.33		30	75
EQT0032	Compressor3 - NG Compressor Engine #3	429.2	5056	.33		10	750
EQT0033	Glycol Vent 2 - Glycol Still Column Vent/Condenser	26.45	4.87	.63		10	212
EQT0035	LC-06 - Gas Operated Level Controllers (10-Fisher)					75	
EQT0036	LC-07 - Gas-operated Level Controllers (39 - Trueico)					75	
EQT0037	Pump 16 - Sump Pump #5 - Wilden M4	31.15	10.19	.08		.25	70
EQT0038	Pump 17 - Wash Water Pump - Wilden M4	31.15	10.19	.08		.25	70
EQT0039	Pump 18 - Chemical Injection Pump	6.93	.14	.02		.25	70
EQT0040	Reboiler - Glycol Reboiler	6.75	.01	.67		30	350
EQT0041	Reboiler2 - Glycol reboiler	2.7	11.78	.67		30	350
FUG0001	Fugs - Facility Fugs					75	

INVENTORIES

AI ID: 32645 - 6700 Commingling Production Facility
 Activity Number: PER20070001
 Permit Number: 2240-00182-03
 Air - Minor (Synthetic) Modification

Relationships:

ID	Description	Relationship	ID	Description
EQT0006	Glycol Still Column Vent/Condenser	Controlled by	EQT0040	Reboiler - Glycol Reboiler
EQT0025	Tank 1 - Oil Storage Test Tank #1 - Controlled	Controlled by	EQT0003	Flare - Combustion Flare
EQT0026	Tank 2 - Oil Storage Test Tank #2 - Controlled	Controlled by	EQT0003	Flare - Combustion Flare
EQT0027	Tank 3 - Oil Storage Tank #1 - Controlled	Controlled by	EQT0003	Flare - Combustion Flare
EQT0028	Tank 4 - Oil Storage Tank #2 - Controlled	Controlled by	EQT0003	Flare - Combustion Flare
EQT0029	Tank 5 - Oil Storage Tank #3 - Controlled	Controlled by	EQT0003	Flare - Combustion Flare
EQT0030	Water Tank 1 - Water Storage Tank #1 - Controlled	Controlled by	EQT0003	Flare - Combustion Flare
EQT0031	Water Tank 2 - Water Storage Tank #2 - Controlled	Controlled by	EQT0003	Flare - Combustion Flare
EQT0033	Glycol Vent 2 - Glycol Still Column Vent/Condenser	Controlled by	EQT0041	Reboiler 2 - Glycol reboiler

Subject Item Groups:

ID	Group Type	Group Description
CRG0001	Common Requirements Group	CRG - Engine > 500 hp
UNF0001	Unit or Facility Wide	Facility - 6700 Commingling Production Facility

Group Membership:

ID	Description	Member of Groups
EQT0001	Compressor 1 - NG Compressor Engine #1	CRG0000000001
EQT0002	Compressor 2 - NG Compressor Engine #2	CRG0000000001
EQT0032	Compressor3 - NG Compressor Engine #3	CRG0000000001

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
0040	Crude Oil and Natural Gas Production (Less than 100 T/Yr Source)	1	

SIC Codes:

1311	Crude petroleum and natural gas	UNF001
------	---------------------------------	--------

EMISSION RATES FOR CRITERIA POLLUTANTS

AIID: 32645 - 6700 Commingling Production Facility
 Activity Number: PER2007001
 Permit Number: 2240-00182-03
 Air - Minor (Synthetic) Modification

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
6700 Commingling Production Facility															
EQT 0001 Compressor 1	0.99	0.99	4.35	2.75	2.75	12.02	0.11	0.11	0.47	0.01	0.01	0.04	0.33	0.33	1.46
EQT 0002 Compressor 2	0.99	0.99	4.35	2.75	2.75	12.02	0.11	0.11	0.47	0.01	0.01	0.04	0.33	0.33	1.46
EQT 0003 Flare	7.90	7.90	34.58	1.45	1.45	6.36	0.09	0.09	0.39	0.01	0.01	0.03	11.10	11.10	48.63
EQT 0004 Generator 2	0.32	0.32	1.40	0.32	0.32	1.40	0.01	0.01	0.04	0.00	0.00	0.00	0.03	0.03	0.15
EQT 0005 Generator 3	1.10	1.10	0.50	5.12	5.12	2.33	0.36	0.36	0.16	0.34	0.34	0.15	0.41	0.41	0.19
EQT 0012 LC-05													0.05	0.05	0.22
EQT 0013 Pump 7													0.06	0.06	0.27
EQT 0014 Pump 8													0.06	0.06	0.27
EQT 0015 Pump 9													0.06	0.06	0.27
EQT 0016 Pump 10													8.96	8.96	1.63
EQT 0017 Pump 11													4.48	4.48	1.63
EQT 0018 Pump 12													4.48	4.48	1.63
EQT 0019 Pump 13													4.48	4.48	1.63
EQT 0020 Pump 14													4.48	4.48	1.63
EQT 0021 Pump 15													8.96	8.96	3.26
EQT 0022 Pump Engine 1	0.11	0.11	0.01	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	<0.01
EQT 0023 Pump Engine 2	0.11	0.11	0.46	0.05	0.05	0.23	<0.01	0.01	0.02	0.00	0.00	0.00	0.01	0.01	0.06
EQT 0032 Compressor 3	1.06	1.06	4.64	2.93	2.93	12.82	0.11	0.11	0.50	0.01	0.01	0.05	0.36	0.36	1.56
EQT 0035 LC-06													0.52	0.52	2.29
EQT 0036 LC-07													2.04	2.04	8.92
EQT 0037 Pump 16													4.48	4.48	1.63
EQT 0038 Pump 17													4.48	4.48	0.70
EQT 0039 Pump 18													0.06	0.06	0.27

EMISSION RATES FOR CRITERIA POLLUTANTS

AIID: 32645 - 6700 Commingling Production Facility
 Activity Number: PER20070001
 Permit Number: 2240-00182-03
 Air - Minor (Synthetic) Modification

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
6700 Commingling Production Facility															
EQT 0040 Reboiler	0.04	0.04	0.15	0.04	0.04	0.18	<0.01	<0.01	0.01				0.1	0.1	0.45
EQT 0041 Reboiler2	0.01	0.01	0.06	0.02	0.02	0.07	<0.01	<0.01	0.01				<0.10	<0.10	0.45
FUG 0001 Fugs													4.01	4.01	17.57

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32645 - 6700 Commingling Production Facility

Activity Number: PER20070001

Permit Number: 2240-00182-03

Air - Minor (Synthetic) Modification

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0001 Compressor 1	Acetaldehyde	0.03	0.03	0.14
	Benzene	0.02	0.02	0.08
	Ethyl benzene	< 0.01	< 0.01	< 0.01
	Formaldehyde	0.23	0.23	1.01
	Toluene	0.01	0.01	0.03
	Xylene (mixed isomers)	< 0.01	< 0.01	0.01
EQT 0002 Compressor 2	Acetaldehyde	0.03	0.03	0.14
	Benzene	0.02	0.02	0.08
	Ethyl benzene	< 0.01	< 0.01	< 0.01
	Formaldehyde	0.23	0.23	1.01
	Toluene	0.01	0.01	0.03
	Xylene (mixed isomers)	< 0.01	< 0.01	0.01
EQT 0003 Flare	2,2,4-Trimethylpentane	0.05	0.05	0.22
	Benzene	0.04	0.04	0.19
	Ethyl benzene	< 0.01	< 0.01	0.01
	Toluene	0.04	0.04	0.19
	Xylene (mixed isomers)	0.01	0.01	0.06
	n-Hexane	0.21	0.21	0.91
EQT 0004 Generator 2	Acetaldehyde	< 0.01	< 0.01	0.01
	Benzene	< 0.01	< 0.01	0.01
	Formaldehyde	0.02	0.02	0.10
	Toluene	< 0.01	< 0.01	0.01
EQT 0005 Generator 3	Acetaldehyde	< 0.01	< 0.01	< 0.01
	Benzene	< 0.01	< 0.01	< 0.01
	Formaldehyde	< 0.01	< 0.01	< 0.01
EQT 0013 Pump 7	n-Hexane	< 0.01	< 0.01	< 0.01
EQT 0014 Pump 8	n-Hexane	< 0.01	< 0.01	< 0.01
EQT 0015 Pump 9	n-Hexane	< 0.01	< 0.01	< 0.01
EQT 0016 Pump 10	Ethyl benzene	0.01	0.01	< 0.01
	Toluene	0.01	0.01	< 0.01
	Xylene (mixed isomers)	0.01	0.01	< 0.01
	n-Hexane	0.06	0.06	0.01
EQT 0017 Pump 11	Ethyl benzene	< 0.01	< 0.01	< 0.01
	Toluene	< 0.01	< 0.01	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32645 - 6700 Commingling Production Facility

Activity Number: PER20070001

Permit Number: 2240-00182-03

Air - Minor (Synthetic) Modification

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0017 Pump 11	Xylene (mixed isomers)	< 0.01	< 0.01	< 0.01
	n-Hexane	0.03	0.03	0.01
EQT 0018 Pump 12	Ethyl benzene	< 0.01	< 0.01	< 0.01
	Toluene	< 0.01	< 0.01	< 0.01
	Xylene (mixed isomers)	< 0.01	< 0.01	< 0.01
	n-Hexane	0.03	0.03	0.01
EQT 0019 Pump 13	Ethyl benzene	< 0.01	< 0.01	< 0.01
	Toluene	< 0.01	< 0.01	< 0.01
	Xylene (mixed isomers)	< 0.01	< 0.01	< 0.01
	n-Hexane	0.03	0.03	0.01
EQT 0020 Pump 14	Ethyl benzene	< 0.01	< 0.01	< 0.01
	Toluene	< 0.01	< 0.01	< 0.01
	Xylene (mixed isomers)	< 0.01	< 0.01	< 0.01
	n-Hexane	0.03	0.03	0.01
EQT 0021 Pump 15	Ethyl benzene	0.01	0.01	< 0.01
	Toluene	0.01	0.01	< 0.01
	Xylene (mixed isomers)	0.01	0.01	< 0.01
	n-Hexane	0.06	0.06	0.02
EQT 0022 Pump Engine 1	Acetaldehyde	< 0.01	< 0.01	< 0.01
	Benzene	< 0.01	< 0.01	< 0.01
	Formaldehyde	0.01	0.01	< 0.01
EQT 0023 Pump Engine 2	Acetaldehyde	< 0.01	0.01	< 0.01
	Formaldehyde	0.01	0.01	0.04
EQT 0032 Compressor3	Acetaldehyde	0.03	0.03	0.15
	Benzene	0.02	0.02	0.08
	Ethyl benzene	< 0.01	< 0.01	< 0.01
	Formaldehyde	0.25	0.25	1.08
	Toluene	0.01	0.01	0.03
	Xylene (mixed isomers)	< 0.01	< 0.01	0.01
EQT 0035 LC-06	Ethyl benzene	< 0.01	< 0.01	< 0.01
	Toluene	< 0.01	< 0.01	< 0.01
	Xylene (mixed isomers)	< 0.01	< 0.01	< 0.01
	n-Hexane	< 0.01	< 0.01	0.02
EQT 0036 LC-07	Ethyl benzene	< 0.01	< 0.01	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32645 - 6700 Commingling Production Facility

Activity Number: PER20070001

Permit Number: 2240-00182-03

Air - Minor (Synthetic) Modification

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0036 LC-07	Toluene	0.01	< 0.01	0.01
	Xylene (mixed isomers)	< 0.01	< 0.01	< 0.01
	n-Hexane	0.01	0.01	0.06
EQT 0037 Pump 16	Ethyl benzene	< 0.01	< 0.01	< 0.01
	Toluene	< 0.01	< 0.01	< 0.01
	Xylene (mixed isomers)	< 0.01	< 0.01	< 0.01
	n-Hexane	0.03	0.03	0.01
EQT 0038 Pump 17	Ethyl benzene	< 0.01	< 0.01	< 0.01
	Toluene	< 0.01	< 0.01	< 0.01
	Xylene (mixed isomers)	< 0.01	< 0.01	< 0.01
	n-Hexane	0.03	0.03	0.01
EQT 0040 Reboiler	Benzene	< 0.01	< 0.01	0.01
	Ethyl benzene	< 0.01	< 0.01	0.01
	Toluene	0.01	0.01	0.02
	Xylene (mixed isomers)	< 0.01	< 0.01	0.01
	n-Hexane	0.02	0.02	0.02
EQT 0041 Reboiler2	Benzene	< 0.01	< 0.01	0.01
	Ethyl benzene	< 0.01	< 0.01	0.01
	Toluene	0.01	0.01	0.02
	Xylene (mixed isomers)	< 0.01	< 0.01	0.01
	n-Hexane	< 0.01	< 0.01	0.01
FUG 0001 Fugs	Benzene	0.02	0.02	0.07
	Ethyl benzene	< 0.01	< 0.01	0.01
	Toluene	0.01	0.01	0.05
	Xylene (mixed isomers)	< 0.01	< 0.01	0.01
	n-Hexane	0.24	0.24	1.04
UNF 0001 Facility	2,2,4-Trimethylpentane			0.22
	Acetaldehyde			0.44
	Benzene			0.53
	Ethyl benzene			0.05
	Formaldehyde			3.24
	Toluene			0.39
	Xylene (mixed isomers)			0.13
	n-Hexane			2.15

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32645 - 6700 Commingling Production Facility

Activity Number: PER20070001

Permit Number: 2240-00182-03

Air - Minor (Synthetic) Modification

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

SPECIFIC REQUIREMENTS

AI ID: 322645 - 6700 Commingling Production Facility
Activity Number: PER20070001
Permit Number: 2240-00182-03
Air - Minor (Synthetic) Modification

CRG0001 Engine > 500 Hp

Group Members: EQT0001 EQT0002 EQT0032

- 1 [LAC 33.III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: Six-minute average
- 2 [LAC 33.III.501.C.6] Equipment/operational data recordkeeping by electronic or hard copy semiannually. Recorded parameters are NOx, CO and O2 concentrations in the stack gas obtained during semiannual testing.
- 3 [LAC 33.III.501.C.6] Stack gas concentration: Carbon monoxide monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of CO in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
- Which Months: All Year Statistical Basis: None specified
- Stack gas concentration: Nitrogen oxides monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of NOx in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
- Which Months: All Year Statistical Basis: None specified
- Stack gas concentration: Oxygen monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of O2 in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
- Which Months: All Year Statistical Basis: None specified
- 6 [LAC 33.III.1105] Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.
 Which Months: All Year Statistical Basis: None specified
- 7 [LAC 33.III.1105] Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33.1.3923. Notification is required only if the upset cannot be controlled in six hours.
- 8 [LAC 33.III.501.C.6] Develop a corrective action plan for re-lighting the flare. Plan must be kept readily available for immediate implementation in the event the flare needs to be re-lit.
- Flare gas: Heat content > 300 BTU/scf, to ensure destruction of emissions to the flare stack.
 Which Months: All Year Statistical Basis: None specified
- Flare gas: Heat content monitored by gas analysis annually, to insure the heat content is above 300 BTU/scf.
 Which Months: All Year Statistical Basis: None specified
- Flare gas: Heat content recordkeeping by electronic or hard copy annually.
 Presence of a flare monitored by visual inspection/determination daily.
 Which Months: All Year Statistical Basis: None specified
- Presence of a flare recordkeeping by electronic or hard copy daily.

SPECIFIC REQUIREMENTS

All ID: 32645 - 6700 Commingling Production Facility
Activity Number: PER20070001
Permit Number: 2240-00182-03
Air - Minor (Synthetic) Modification

EQT0004 Generator 2 - NG Generator Engine

- 14 [LAC 33.III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average

EQT0005 Generator 3 - Diesel Generator Engine

- 15 [40 CFR 60.4204(a)] Nitrogen oxides <= 6.9 g/BHP-hr (9.2 g/KW-hr). Subpart III. [40 CFR 60.4204(a)]
 Which Months: All Year Statistical Basis: None specified
- 16 [40 CFR 60.4204(c)(1)] Nitrogen oxides <= 1.2 g/BHP-hr (1.6 g/KW-hr). Subpart III. [40 CFR 60.4204(c)(1)]
 Which Months: All Year Statistical Basis: None specified
- 17 [40 CFR 60.4207(a)] Beginning October 1, 2007, use diesel fuel that meets the requirements of 40 CFR 80.510(a). Subpart III. [40 CFR 60.4207(a)]
 Beginning October 1, 2010, use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel. Subpart III. [40 CFR 60.4207(b)]
- 18 [40 CFR 60.4207(b)] Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, only change those settings that are permitted by the manufacturer. Also meet the requirements of 40 CFR 89, 94 and/or 1068, as applicable. Subpart III. [40 CFR 60.4211(a)]
- 19 [40 CFR 60.4211(a)] Demonstrate compliance according to one of the methods specified in 40 CFR 60.4211(b)(1) through (b)(5). Subpart III. [40 CFR 60.4211(b)]
 Ensure engine is certified to the emission standards in 40 CFR 60.4204(b), or 40 CFR 60.4025(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. Install and configure according to the manufacturer's specifications. Subpart III. [40 CFR 60.4211(c)]
 Conduct an initial performance test to demonstrate initial compliance with the emission standards as specified in 40 CFR 60.4213. Subpart III.
- 20 [40 CFR 60.4211(b)] [40 CFR 60.4211(c)] [40 CFR 60.4211(d)(1)] [40 CFR 60.4211(d)(2)]
- 21 [40 CFR 60.4211(c)] Equipment/operational data monitored by technically sound method continuously. Subpart III. [40 CFR 60.4211(d)(2)]
 Which Months: All Year Statistical Basis: None specified
- 22 [40 CFR 60.4211(d)(1)] Submit petition to DEQ for approval of operating parameters to be monitored continuously. Include the information described in 40 CFR 60.4211(d)(2)(i) through (d)(2)(v). Subpart III. [40 CFR 60.4211(d)(2)]
- 23 [40 CFR 60.4211(d)(2)] Conduct performance tests according to 40 CFR 60.4212(a) through (d). Subpart III.
- 24 [40 CFR 60.4211(d)(2)] Determine compliance with the NOx mass per unit output emission limitation by converting the concentration of NOx in engine exhaust using 40 CFR 60.4213(e), Equation 7. Subpart III. [40 CFR 60.4213(e)]
- 25 [40 CFR 60.4212] Determine compliance with the PM mass per unit output emission limitation by converting the concentration of PM in the engine exhaust using 40 CFR 60.4213(f), Equation 8. Subpart III. [40 CFR 60.4213(f)]
- 26 [40 CFR 60.4213(e)] Conduct performance tests according to 40 CFR 60.4213(a) through (c). Subpart III.
- 27 [40 CFR 60.4213(f)] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average

EQT0006 Glycol Still Column Vent/Condenser

SPECIFIC REQUIREMENTS

AI ID: 32645 - 6700 Commingling Production Facility
Activity Number: PER20070001
Permit Number: 2240-00182-03
Air - Minor (Synthetic) Modification

EQT0006 Glycol Still Column Vent/Condenser

- Prepare a new determination in accordance with 40 CFR 63.764(d)(2)(i) or (d)(2)(ii) and submit the information specified under 40 CFR 63.775(c)(7)(ii) through (c)(7)(v), if operating conditions change and a modification to the optimum glycol circulation rate is required. Subpart HH. [40 CFR 63.764(d)(2)(iii)]
- Submit Initial Notification: Due in accordance with the requirements in 40 CFR 63.775(c)(7). Subpart HH. [40 CFR 63.764(d)(2)(iii)]
- Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep a record of the calculation used to determine the optimum glycol circulation rate in accordance with 40 CFR 63.764(d)(2)(i) or 63.764(d)(2)(ii), as applicable. Subpart HH. [40 CFR 63.774(f)]
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in 40 CFR 63.774(b) through (e), as applicable. Subpart HH.
- VOC, Total \geq 85 % reduction using a control device. Demonstrate percent reduction using the methods found in LAC 33:III.2116.D.
- Which Months: All Year Statistical Basis: None specified
- Determine compliance with LAC 33:III.2116.B using the methods in LAC 33:III.2116.D.1-5, as appropriate.
- Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of the information specified in LAC 33:III.2116.F.1.

EQT0022 Pump Engine 1 - NG Saltwater Pump Engine

- Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average

EQT0023 Pump Engine 2 - NG Saltwater Pump Engine

- Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average

EQT0033 Glycol Vent 2 - Glycol Still Column Vent/Condenser

- Prepare a new determination in accordance with 40 CFR 63.764(d)(2)(i) or (d)(2)(ii) and submit the information specified under 40 CFR 63.775(c)(7)(ii) through (c)(7)(v), if operating conditions change and a modification to the optimum glycol circulation rate is required. Subpart HH. [40 CFR 63.764(d)(2)(iii)]
- Submit Initial Notification: Due in accordance with the requirements in 40 CFR 63.775(c)(7). Subpart HH. [40 CFR 63.764(d)(2)(iii)]
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in 40 CFR 63.774(b) through (e), as applicable. Subpart HH.
- VOC, Total \geq 85 % reduction using a control device. Demonstrate percent reduction using the methods found in LAC 33:III.2116.D.
- Which Months: All Year Statistical Basis: None specified
- Determine compliance with LAC 33:III.2116.B using the methods in LAC 33:III.2116.D.1-5, as appropriate.

SPECIFIC REQUIREMENTS

AI ID: 32645 - 6700 Commingling Production Facility
 Activity Number: PER20070001
 Permit Number: 2240-00182-03
 Air - Minor (Synthetic) Modification

EQT0033 Glycol Vent 2 - Glycol Still Column Vent/Condenser

44 [LAC 33:III.2116.F.1] Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of the information specified in LAC 33:III.2116.F.1.

EQT0040 Reboiler - Glycol Reboiler

45 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.
 Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

EQT0041 Reboiler2 - Glycol reboiler

48 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.
 Which Months: All Year Statistical Basis: None specified

FUG0001 Fugs - Facility Fugs

50 [LAC 33:III.2111] Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

UNF0001 6700 Commingling Production Facility

51 [40 CFR 63.762(c)] During startups, shutdowns, and malfunctions, implement measures to prevent or minimize excess emissions to the maximum extent practical in accordance with the applicable startup, shutdown, and malfunction plan. Subpart HH. [40 CFR 63.762(c)]
 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 2 of 40 CFR 63 Subpart HH.
 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
 Outdoor burning of waste material or other combustible material is prohibited.

SPECIFIC REQUIREMENTS

AI ID: 32645 - 6700 Commingling Production Facility
 Activity Number: PER20070001
 Permit Number: 2240-00182-03
 Air - Minor (Synthetic) Modification

UNF0001 6700 Commingling Production Facility

- 55 [LAC 33.III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 56 [LAC 33.III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33.III.2113.A.1-5.
- 57 [LAC 33.III.219] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 58 [LAC 33.III.2901.F] If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33.III.2901.G.
- 59 [LAC 33.III.501.C.6] VOC, Total <= 98.21 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if total VOC emissions exceeds the maximum listed in this specific condition for any twelve consecutive month period.
- 60 [LAC 33.III.501.C.6] Which Months: All Year Statistical Basis: Twelve-consecutive-month maximum VOC, Total Submit report: Due annually, by the 31st of March. Report the total VOC for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
- 61 [LAC 33.III.501.C.6] Which Months: All Year Statistical Basis: Twelve-consecutive-month maximum VOC, Total monitored by technically sound method monthly.
- 62 [LAC 33.III.501.C.6] VOC, Total recordkeeping by electronic or hard copy monthly. Keep records of the total VOC emissions each month, as well as the total VOC emissions for the last twelve months. Make records available for inspection by DEQ personnel.
- 63 [LAC 33.III.5611.A] Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority.
- 64 [LAC 33.III.5611.B] During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- 65 [LAC 33.III.919.D] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33.III.919.A-D.